

ABSTRACT

A system for capturing, encoding and transmitting continuous video from a camera to a display monitor via a network includes an encoder for receiving a video signal from the camera, the encoder producing a high-resolution output signal and a low-resolution output signal representing the video signal, a router for receiving both the high-resolution output signal and the low-resolution output signal and a display monitor in communication with the router for selectively displaying either the high-resolution output signal or the low-resolution output signal. The system supports a plurality of cameras and an encoder associated with each of the cameras, the high-resolution output signal and low-resolution output signal unique to each camera being transmitted to the router. A management system is associated with each display monitor whereby each of the plurality of display monitors is adapted for displaying any combination of camera signals independently of the other of said plurality of display monitors